

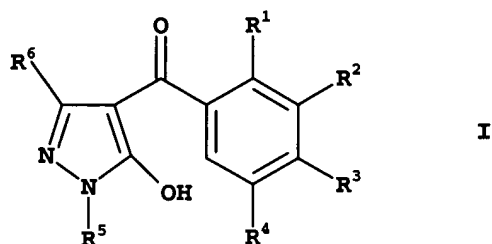
Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A synergistic herbicidal mixture comprising

A) at least one 3-heterocyclyl-substituted benzoyl derivative of the formula I



in which the variables have the following meanings:

R^1 , R^3 are halogen, C_1 - C_6 -alkyl, C_1 - C_6 -haloalkyl, C_1 - C_6 -alkoxy, C_1 - C_6 -haloalkoxy, C_1 - C_6 -alkylthio, C_1 - C_6 -alkylsulfinyl or C_1 - C_6 -alkylsulfonyl;

R^2 is a heterocyclic radical selected from the group: isoxazol-3-yl, isoxazol-4-yl, isoxazol-5-yl, 4,5-dihydroisoxazol-3-yl, 4,5-dihydroisoxazol-4-yl and 4,5-dihydroisoxazol-5-yl, it being possible for the six radicals mentioned to be unsubstituted or mono- or polysubstituted by halogen, C_1 - C_4 -alkyl, C_1 - C_4 -alkoxy, C_1 - C_4 -haloalkyl, C_1 - C_4 -haloalkoxy or C_1 - C_4 -alkylthio;

R^4 is hydrogen, halogen or C_1 - C_6 -alkyl;

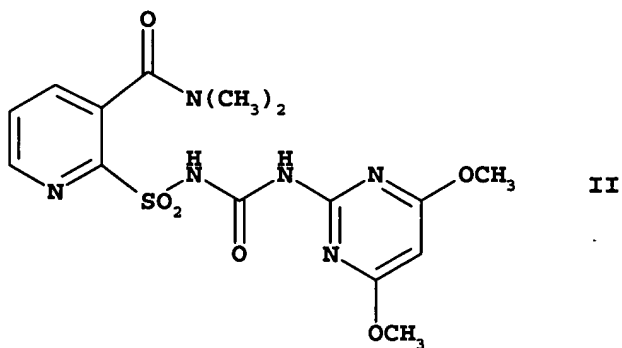
R^5 is C_1 - C_6 -alkyl;

R^6 is hydrogen or C_1 - C_6 -alkyl;

or one of its environmentally compatible salts;

and

B) the compound of formula II



or one of its environmentally compatible salts;

and,

C) at least one herbicidal compound from the group of the acetolactate synthase inhibitors (ALS), lipid biosynthesis inhibitors and photosynthesis inhibitors;

in a synergistically effective amount.

2. (Currently Amended) A synergistic herbicidal mixture as claimed in claims 1, comprising, as component A), a 3-heterocyclyl-substituted benzoyl derivative of the formula I, where R^4 is hydrogen.

3. (Currently Amended) A synergistic herbicidal mixture as claimed in ~~any of claims 1 to 2~~ claim 1, comprising, as component A), a 3-hetero-cyclyl-substituted benzoyl derivative of the formula I, where

R^1 is halogen, C_1 - C_6 -alkyl or C_1 - C_6 -alkylsulfonyl;

R^3 is halogen or C_1 - C_6 -alkylsulfonyl;

4. (Currently Amended) A synergistic herbicidal mixture as claimed in ~~any of claims 1 to 3~~ claim 1, comprising, as component A), a 3-hetero-cyclyl-substituted benzoyl derivative of the formula I, where

R² is a heterocyclic radical selected from the group: isoxazol-3-yl, isoxazol-5-yl and 4,5-dihydroisoxazol-3-yl, it being possible for the three radicals mentioned to be unsubstituted or mono- or polysubstituted by halogen, C₁-C₄-alkyl, C₁-C₄-alkoxy, C₁-C₄-haloalkyl, C₁-C₄-haloalkoxy or C₁-C₄-alkylthio.

5. (Currently Amended) A synergistic herbicidal mixture as claimed in ~~any of claims 1 to 4~~ claim 1, comprising, as component A), a 3-hetero-cyclyl-substituted benzoyl derivative of the formula I, where

R² is isoxazol-5-yl, 3-methyl-isoxazol-5-yl, 4,5-dihydro-isoxazol-3-yl, 5-methyl-4,5-dihydroisoxazol-3-yl, 5-ethyl-4,5-dihydroisoxazol-3-yl or 4,5-dimethyl-4,5-dihydroisoxazol-3-yl.

6. (Currently Amended) A synergistic herbicidal mixture as claimed in ~~any of claims 1 to 5~~ claim 1, comprising, as component A), 4-[2-chloro-3-(4,5-dihydroisoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole.

7. (Currently Amended) A synergistic herbicidal mixture as claimed in ~~any of claims 1 to 5~~ claim 1, comprising, as component A) 4-[2-methyl-3-(4,5-dihydroisoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole.

8. (Currently Amended) A synergistic herbicidal mixture as claimed in ~~any of~~
~~claims 1 to 7~~ claim 1, comprising, at least three active ingredients, a 3-
heterocyclyl-substituted benzoyl derivative of the formula I (component A) as
claimed in ~~claims 1 to 7~~ claim 1, the compound of formula II (component B)
and

C) at least one herbicidal compound from the groups C1 to C3:

C1 acetolactate synthase inhibitors (ALS):

imidazolinones, pyrimidyl ethers, sulfonamides or sulfonylureas;

C2 lipid biosynthesis inhibitors:

anilides, chloroacetanilides, thioureas, benfuresate or perfluidone;

C3 photosynthesis inhibitors:

propanil, pyridate, pyridafol, benzothiadiazinones, dinitrophenols,

dipyridylenes, ureas, phenols, chloridazon, triazines, triazinones, uracils

or biscalbamates;

or their environmentally compatible salts.

9. (Currently Amended) A synergistic herbicidal mixture as claimed in ~~claims 1 or 8~~ claim 1, comprising, as component C), at least one herbicidal compound from the groups C1 to C3:

C1 acetolactate synthase inhibitors (ALS):

- imidazolinones:
imazapyr, imazaquin, imazamethabenz-methyl (imazame),
imazamoxe, imazapic, imazethapyr or imazamethapyr;
- pyrimidyl ethers:
pyrithiobac-acid, pyrithiobac-sodium, bispyribac-sodium, KIH-6127
or pyribenzoxym;
- sulfonamides:
florasulam, flumetsulam or metosulam; or
- sulfonylureas:
amidosulfuron, azimsulfuron, bensulfuron-methyl, chlorimuron-ethyl, chlorsulfuron, cinosulfuron, cyclosulfamuron,
ethametsulfuron-methyl, ethoxysulfuron, flazasulfuron,
halosulfuron-methyl, imazosulfuron, metsulfuron-methyl,
primisulfuron-methyl, prosulfuron, pyrazosulfuron-ethyl, rimsulfuron,
sulfometuron-methyl, thifensulfuron-methyl, triasulfuron, tribenuron-methyl, triflusulfuron-methyl, N-[[[4-methoxy-6-(trifluoromethyl)-1,3,5-triazin-2-yl]amino]-carbonyl]-2-(trifluoromethyl)-benzenesulfonamide, sulfosulfuron or idosulfuron;

C2 lipid biosynthesis inhibitors:

- anilides:
anilofos or mefenacet;
- chloroacetanilides:
dimethenamid, S-dimethenamid, acetochlor, alachlor, butachlor, butenachlor, diethatyl-ethyl, dimethachlor, metazachlor, metolachlor, S-metolachlor, pretilachlor, propachlor, prynachlor, terbuchlor, thenylchlor or xylachlor;
- thioureas:
butylate, cycloate, di-allate, dimepiperate, EPTC, esprocarb, molinate, pebulate, prosulfocarb, thiobencarb (benthiocarb), tri-allate or vernolate; or
- benfuresate or perfluidone;

C3 photosynthesis inhibitors:

- propanil, pyridate or pyridafol;
- benzothiadiazinones:
bentazone;
- dinitrophenols:
bromofenoxim, dinoseb, dinoseb-acetate, dinoterb or DNOC;
- dipyridylenes:

cyperquat-chloride, difenzoquat-methylsulfate, diquat or paraquat-dichloride;

- ureas:

chlorbromuron, chlorotoluron, difenoxuron, dimefuron, diuron, ethidimuron, fenuron, fluometuron, isoproturon, isouron, linuron, methabenzthiazuron, methazole, metobenzuron, metoxuron, monolinuron, neburon, siduron or tebuthiuron;

- phenols:

bromoxynil or ioxynil;

- chloridazon;

- triazines:

ametryn, atrazine, cyanazine, desmetryn, dimethamethryn, hexazinone, prometon, prometryn, propazine, simazine, simetryn, terbumeton, terbutryn, terbutylazine or trietazine;

- triazinones:

metamitron or metribuzine;

- uracils:

bromacil, lenacil or terbacil; or

- biscarbamates:

desmedipham or phenmedipham

or their environmentally compatible salts.

10. (Original) A synergistic herbicidal mixture as claimed in claim 9, comprising, as component C), at least one herbicidal compound from the group C1.
11. (Original) A synergistic herbicidal mixture as claimed in claim 10 comprising, as component A) 4-[2-methyl-3-(4,5-dihydro-isoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) the compound of formula II and as component C) a sulfonylureas from the group C1.
12. (Original) A synergistic herbicidal mixture as claimed in claim 10 comprising, as component A) 4-[2-methyl-3-(4,5-dihydro-isoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) the compound of formula II and as component C) rimsulfuron.
13. (Original) A synergistic herbicidal mixture as claimed in claim 9 comprising, as component A) 4-[2-methyl-3-(4,5-dihydro-isoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) the compound of formula II and as component C) a herbicidal compound from the group C2.
14. (Original) A synergistic herbicidal mixture as claimed in claim 13 comprising, as component A) 4-[2-methyl-3-(4,5-dihydro-isoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) the compound of formula II and as component C) a chloroacetanilide from group C2.

15. (Original) A synergistic herbicidal mixture as claimed in claim 13, comprising as component A) 4-[2-methyl-3-(4,5-dihydroisoxa-zol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) the compound of formula II and as component C) dimethenamid or S-dimethenamid.
16. (Original) A synergistic herbicidal mixture as claimed in claim 9 comprising, as component A) 4-[2-methyl-3-(4,5-dihydro-isoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) the compound of formula II and as component C) a herbicidal compound from the group C3.
17. (Original) A synergistic herbicidal mixture as claimed in claim 16 comprising, as component A) 4-[2-methyl-3-(4,5-dihydro-isoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) the compound of formula II and as component C) a triazine from group C3.
18. (Original) A synergistic herbicidal mixture as claimed in claim 16, comprising as component A) 4-[2-methyl-3-(4,5-dihydroisoxa-zol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) the compound of formula II and as component C) atrazine.
19. (Original) A synergistic herbicidal mixture as claimed in claim 16 comprising, as component A) 4-[2-methyl-3-(4,5-dihydro-isoxazol-3-yl)-4-methylsulfonyl-

benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) the compound of formula II and as component C) a benzothiadiazionone from group C3.

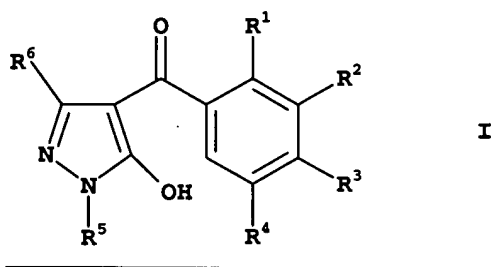
20. (Original) A synergistic herbicidal mixture as claimed in claim 16, comprising as component A) 4-[2-methyl-3-(4,5-dihydroisoxa-zol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) the compound of formula II and as component C) bentazone.
21. (Original) A synergistic herbicidal mixture as claimed in claim 9 comprising, as component A) 4-[2-methyl-3-(4,5-dihydro-isoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) the compound of formula II and as component C) a herbicidal compound from the group C1 and a herbicidal compound from the C3.
22. (Original) A synergistic herbicidal mixture as claimed in claim 9, comprising as component A) 4-[2-methyl-3-(4,5-dihydroisoxa-zol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) the compound of formula II and as component C) rimsulfuron and atrazine.
23. (Original) A synergistic herbicidal mixture as claimed in claim 9 comprising, as component A) 4-[2-methyl-3-(4,5-dihydro-isoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) the compound of

formula II and as component C) a herbicidal compound from the group C2 and a herbicidal compound from the C3.

24. (Original) A synergistic herbicidal mixture as claimed in claim 9, comprising as component A) 4-[2-methyl-3-(4,5-dihydroisoxa-zol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole, as component B) the compound of formula II and as component C) dimethenamid and atrazine or S-dimethenamid and atrazine.
25. (Currently Amended) Synergistic herbicidal mixture as claimed in ~~any of claims 1 to 24~~ claim 1, wherein component A) and B) are present in a weight ratio of 1:0.001 to 1:500.
26. (Currently Amended) Synergistic herbicidal mixture as claimed in ~~any of claims 1 to 25~~ claim 1, wherein component A) and component C) are present in a weight ratio of 1:0.002 to 1:800.
27. (Currently Amended) A herbicidal composition comprising a herbicidally active amount of a synergistic herbicidal mixture as claimed in ~~any of claims 1 to 26~~ claim 1, at least one inert liquid and/or solid carrier and, if desired, at least one surfactant.

28. (Currently Amended) A process for ~~the preparation of~~ preparing a herbicidal compositions ~~as claimed in of~~ claim 27, ~~wherein~~ comprising mixing component A), component B) and component C), at least one ~~inert~~ liquid and/or solid carrier and, if appropriate, a surfactant ~~are mixed~~.
29. (Currently Amended) A method of controlling undesired vegetation, which ~~comprises~~ comprising applying a ~~synergistic herbicidal mixture as claimed in~~ any of ~~claims 1 to 26~~ before, during and/or after the emergence of the undesired plants, it being possible for the ~~herbicidally active compounds of~~ components A), B) and C) to be applied ~~simultaneously or in succession.~~ vegetation, either simultaneously or separately, a synergistic herbicidal combination of

A) at least one 3-heterocyclyl-substituted benzoyl derivative of the formula I



in which the variables have the following meanings:

R² is a heterocyclic radical selected from the group: isoxazol-3-yl, isoxazol-4-yl, isoxazol-5-yl, 4,5-dihydroisoxazol-3-yl, 4,5-dihydroisoxazol-4-yl and 4,5-dihydroisoxazol-5-yl, it being possible for the six radicals mentioned to be unsubstituted or mono- or polysubstituted by halogen, C₁-C₄-alkyl, C₁-C₄-alkoxy, C₁-C₄-haloalkyl, C₁-C₄-haloalkoxy or C₁-C₄-alkylthio;

R⁴ is hydrogen, halogen or C₁-C₆-alkyl;

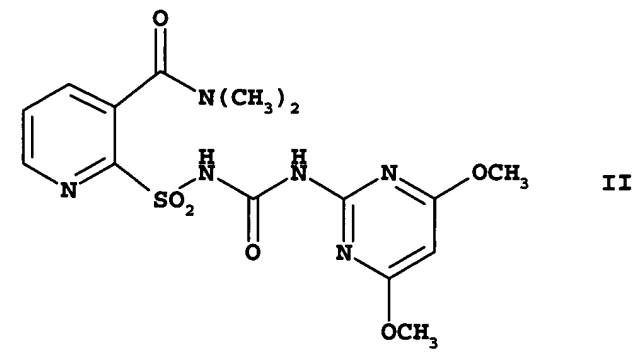
R⁵ is C₁-C₆-alkyl;

R⁶ is hydrogen or C₁-C₆-alkyl;

or one of its environmentally compatible salts;

and

B) the compound of formula II



or one of its environmentally compatible salts;

and,

C) at least one herbicidal compound from the group of the acetolactate synthase inhibitors (ALS), lipid biosynthesis inhibitors and photosynthesis inhibitors;

in a synergistically effective amount.

30. (Currently Amended) A The method of claim 29, wherein the controlling
 undesired vegetation ~~as claimed in claim 29, is proximate wherein the leaves~~
~~of the crop plants, and the synergistic herbicidal combination is applied to the~~
leaves of the crop plants and of the undesired plants ~~are treated.~~